

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)	Before the Examiner
Paul D. Panetta et al.)	(unknown)
)	
Serial No. New)	Group Art Unit (unknown)
)	
Filed January 13, 2004)	January 13, 2004
)	
PROCESS MONITORING AND)	Ref. No. 50005-107
PARTICLE CHARACTERIZATION)	
WITH ULTRASONIC)	
BACKSCATTERING)	

INFORMATION DISCLOSURE STATEMENT

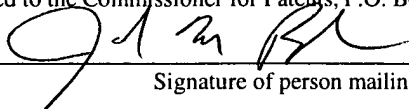
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the duty of disclosure embodied in 37 C.F.R. § 1.56, Applicants wish to bring to the attention of the Examiner the items of information listed on the enclosed Information Disclosure Citation form. Copies of the U.S. patents and/or U.S. patent application publications listed in this IDS form are not being provided herewith since the requirements for submitting such documents under 37 CFR 1.98 (a)(2)(i) have been waived with regard to applications filed or nationalized subsequent to June 30, 2003.

Mail Label No. EV394106125US Date of Deposit: January 13, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



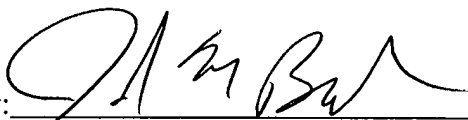
Signature of person mailing paper or fee

Information Disclosure Statement
PROCESS MONITORING AND PARTICLE
CHARACTERIZATION WITH ULTRASONIC
BACKSCATTERING
Filed January 13, 2004
Inventors: Paul D. Panetta et al.
Page 1 of 2

The filing of this Information Disclosure Statement (IDS) shall not be construed as an admission that the information cited is or is considered to be prior art or material to patentability as defined in § 1.56(b).

This Statement is being submitted under 37 CFR 1.97(b) before the occurrence of one or more of the following: (a) receipt of a First Office Action on the merits, (b) passage of three (3) months from the application filing date, or passage of three (3) months from the date entry of the national stage. Accordingly, it is believed that no fee is due. However, should any fee be required, please charge such fee to Deposit Account No. 23-3030, but not to include any payment of issue fees.

Respectfully submitted,

By: 

John M. Bradshaw
Reg. No. 46,573
Woodard, Emhardt, Moriarty,
McNett & Henry LLP
Bank one Center/Tower
111 Monument Circle, Suite 3700
Indianapolis, IN 46204-5137
(317) 634-3456

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	New
				Filing Date	January 13, 2004
				First Named Inventor	Paul D. Panetta
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	50005-107

U.S. PATENT DOCUMENTS					
Examiner Initials ^a	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-3,779,070	12/18/1973	Cushman et al.	
		US-3,908,465	09/30/1975	Bartlett	
		US-4,412,451	11/01/1983	Uusitalo et al.	
		US-4,696,191	09/29/1987	Claytor et al.	
		US-4,706,509	11/17/1987	Riebel	
		US-4,718,269	01/12/1988	Der Kinderen	
		US-5,058,432	10/22/1991	Morkun et al.	
		US-5,121,629	06/16/1992	Alba	
		US-5,357,964	10/25/1994	Spivey et al.	
		US-5,569,844	10/29/1996	Sowerby	
		US-5,594,165	01/14/1997	Madanshetty	
		US-5,616,872	04/01/1997	O'Brien	
		US-5,918,272	06/29/1999	Snyder et al.	
		US-5,920,007	07/06/1999	Hirota et al.	
		US-5,922,946	07/13/1999	Hirota et al.	
		US-5,969,237	10/19/1999	Jones et al.	
		US-5,987,972	11/23/1999	Hirota et al.	
		US-6,029,507	02/29/2000	Faber et al.	

Examiner Initials ^a	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Sheet	2	of	2	Attorney Docket Number	50005-107
-------	---	----	---	------------------------	-----------

Application Number

New

Filing Date

January 13, 2004

First Named Inventor

Paul D. Panetta

Group Art Unit

Examiner Name

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-6,109,098	08/29/2000	Dukhin et al.	
		US-6,378,357	04/30/2002	Han et al.	
		US-6,401,538	06/11/2002	Han et al.	
		US-6,423,007	07/23/2002	Lizzi et al.	
		US-6,449,563	09/10/2002	Dukhin et al.	
		US-6,481,268	11/19/2002	Povey et al.	
		US-6,487,894	12/03/2002	Dukhin et al.	
		US-6,508,104	01/21/2003	Deluca et al.	
		US-6,598,466	07/29/2003	Deluca et al.	
		US-6,604,408	08/12/2003	Dosramos et al.	
		US-2003/0051535 A1	03/20/2003	Coupland et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.